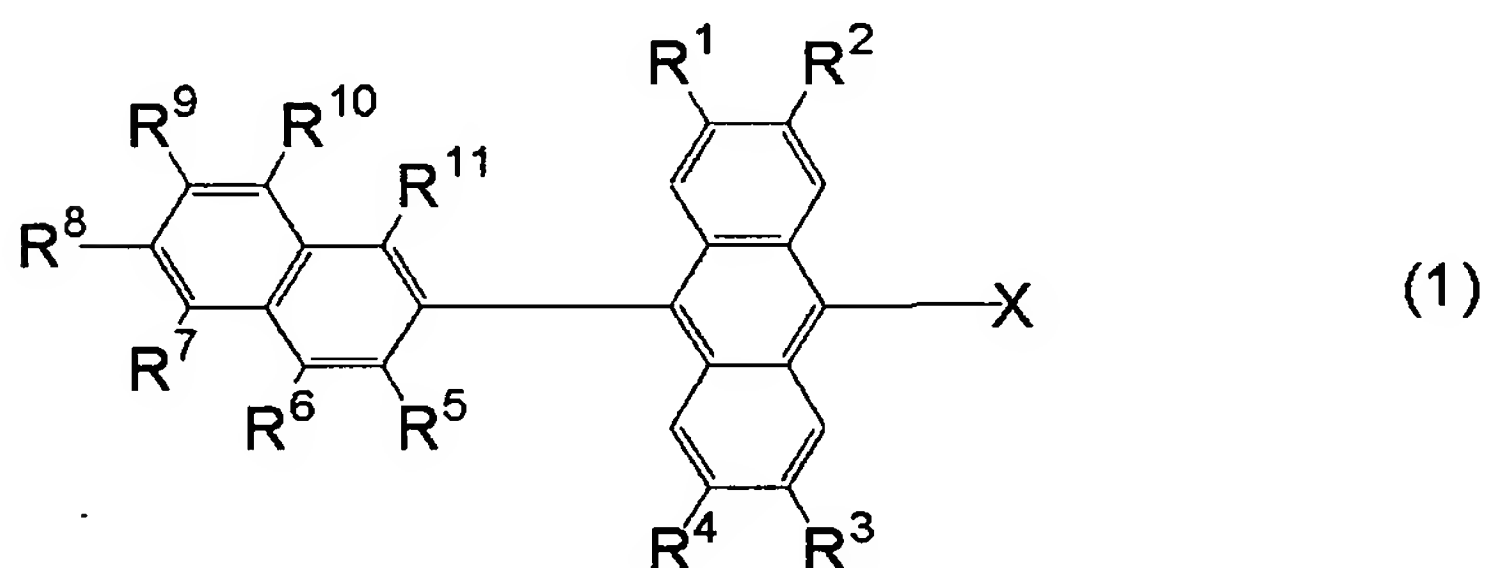


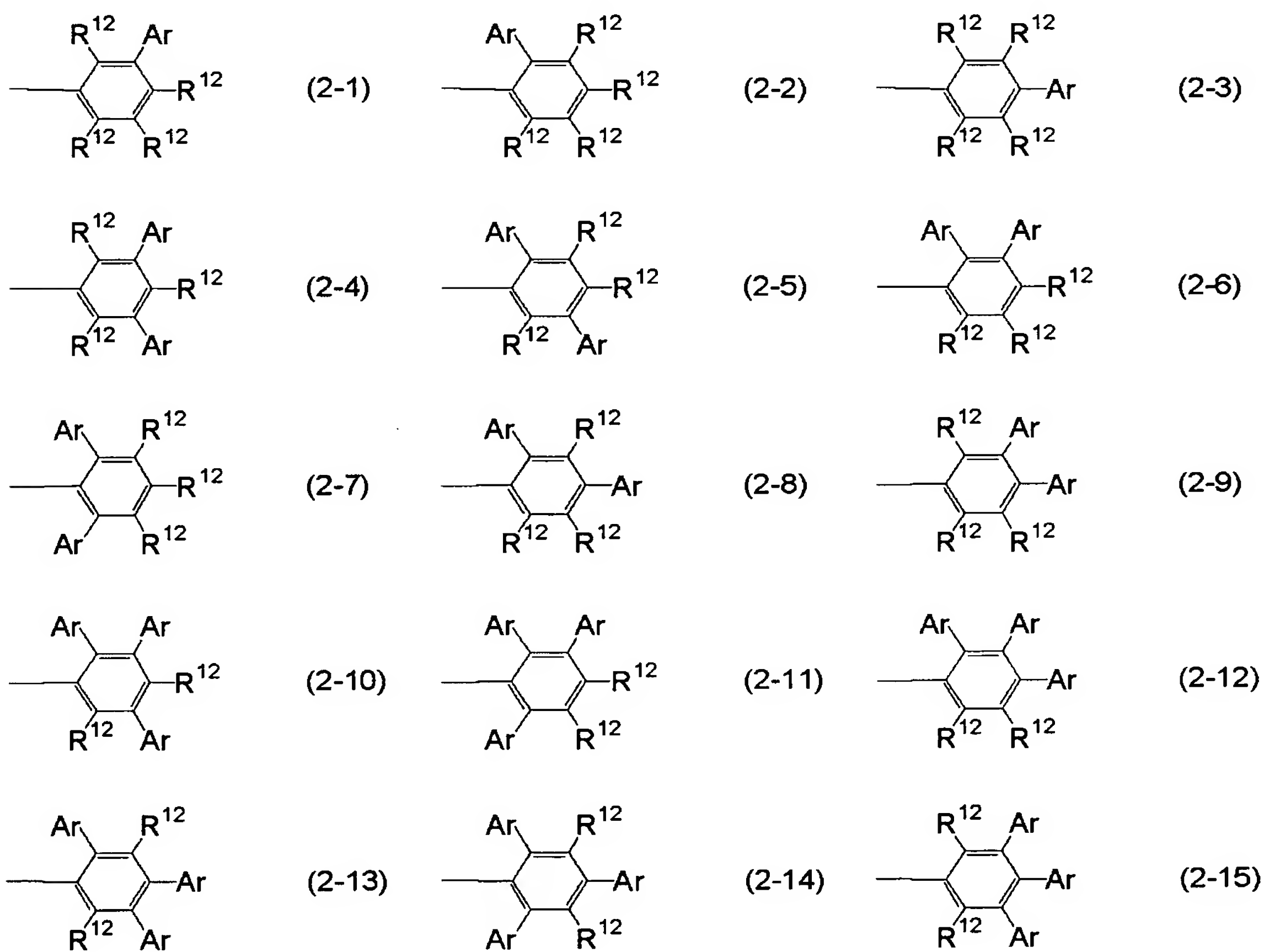
What is claimed is:

1. An organic electroluminescent device which is sandwiched between an anode and a cathode and which comprises at least a hole transport layer, an emission layer and an electron
5 transport layer, wherein the emission layer comprises an anthracene derivative represented by Formula (1) shown below as a host and at least one selected from a perylene derivative, a borane derivative, a coumarin derivative, a pyran derivative, an iridium complex and a platinum complex
10 as a dopant:

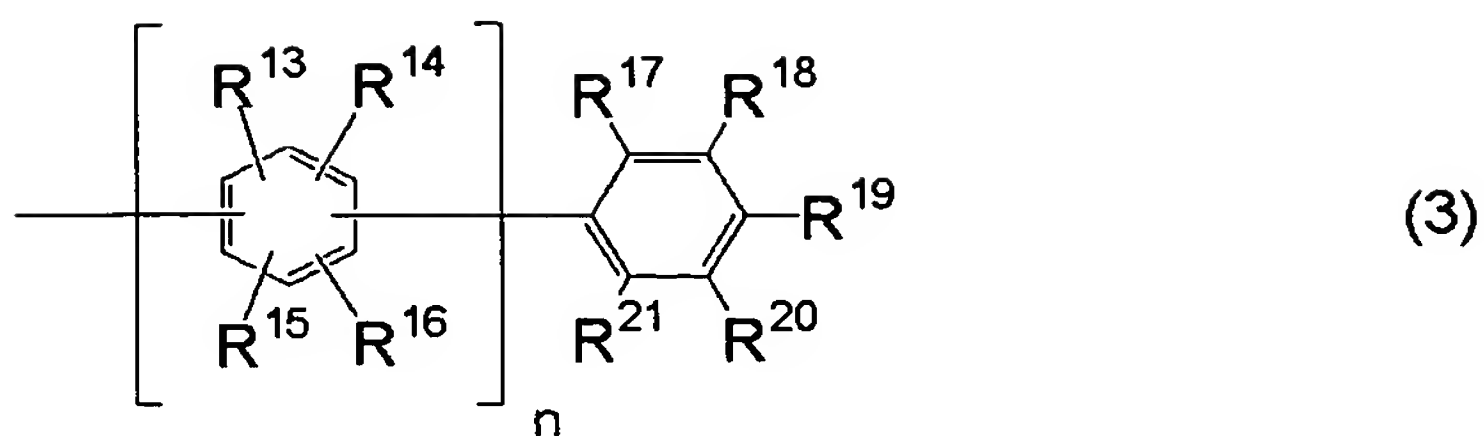


- wherein R¹ to R⁴ are independently hydrogen or alkyl having 1 to 12 carbon atoms, and optional -CH₂- in the above alkyl having 1 to 12 carbon atoms may be replaced by -O-; R⁵ to R¹¹
15 are independently hydrogen, alkyl having 1 to 12 carbon atoms, cycloalkyl having 3 to 12 carbon atoms or aryl having 6 to 12 carbon atoms, wherein optional -CH₂- in the above alkyl having 1 to 12 carbon atoms may be replaced by -O- or arylene having 6 to 12 carbon atoms; optional hydrogens in the above
20 cycloalkyl having 3 to 12 carbon atoms may be replaced by alkyl having 1 to 12 carbon atoms or aryl having 6 to 12 carbon atoms; and optional hydrogens in the above aryl having

6 to 12 carbon atoms may be replaced by alkyl having 1 to 12 carbon atoms, cycloalkyl having 3 to 12 carbon atoms, aryl having 6 to 12 carbon atoms or non-condensed aryl having 12 to 18 carbon atoms; and X is one selected from the group of 5 groups represented by Formulas (2-1) to (2-15) shown below:



in Formulas (2-1) to (2-15), R^{12} is independently the same as that represented by R^1 to R^4 in Formula (1); and Ar is independently non-condensed aryl represented by Formula (3):



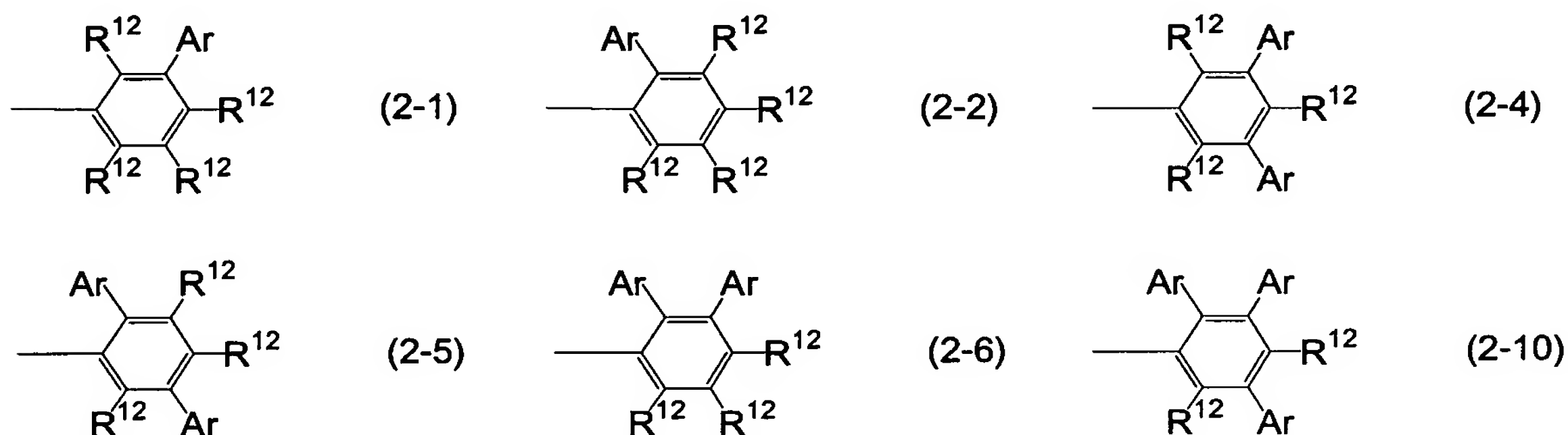
wherein n is an integer of 0 to 5; R^{13} to R^{21} are independently hydrogen, alkyl having 1 to 12 carbon atoms or aryl having 6 to 12 carbon atoms; optional $-CH_2-$ in the above alkyl having 1 to 12 carbon atoms may be replaced by $-O-$, and
 5 optional hydrogens in the above aryl having 6 to 12 carbon atoms may be replaced by alkyl having 1 to 12 carbon atoms, cycloalkyl having 3 to 12 carbon atoms or aryl having 6 to 12 carbon atoms.

10 2. The organic electroluminescent device as described in claim 1, wherein the emission layer comprises as a host, the anthracene derivative in which R^1 to R^4 in Formula (1) are independently hydrogen, methyl or *t*-butyl; R^5 to R^{11} are independently hydrogen, methyl, *t*-butyl, phenyl, 1-naphthyl,
 15 2-naphthyl, 4-*t*-butylphenyl or *m*-terphenyl-5'-yl; X is one selected from the group of the groups represented by Formulas (2-1) to (2-15); and in Formulas (2-1) to (2-15), R^{12} is independently hydrogen, methyl or *t*-butyl.

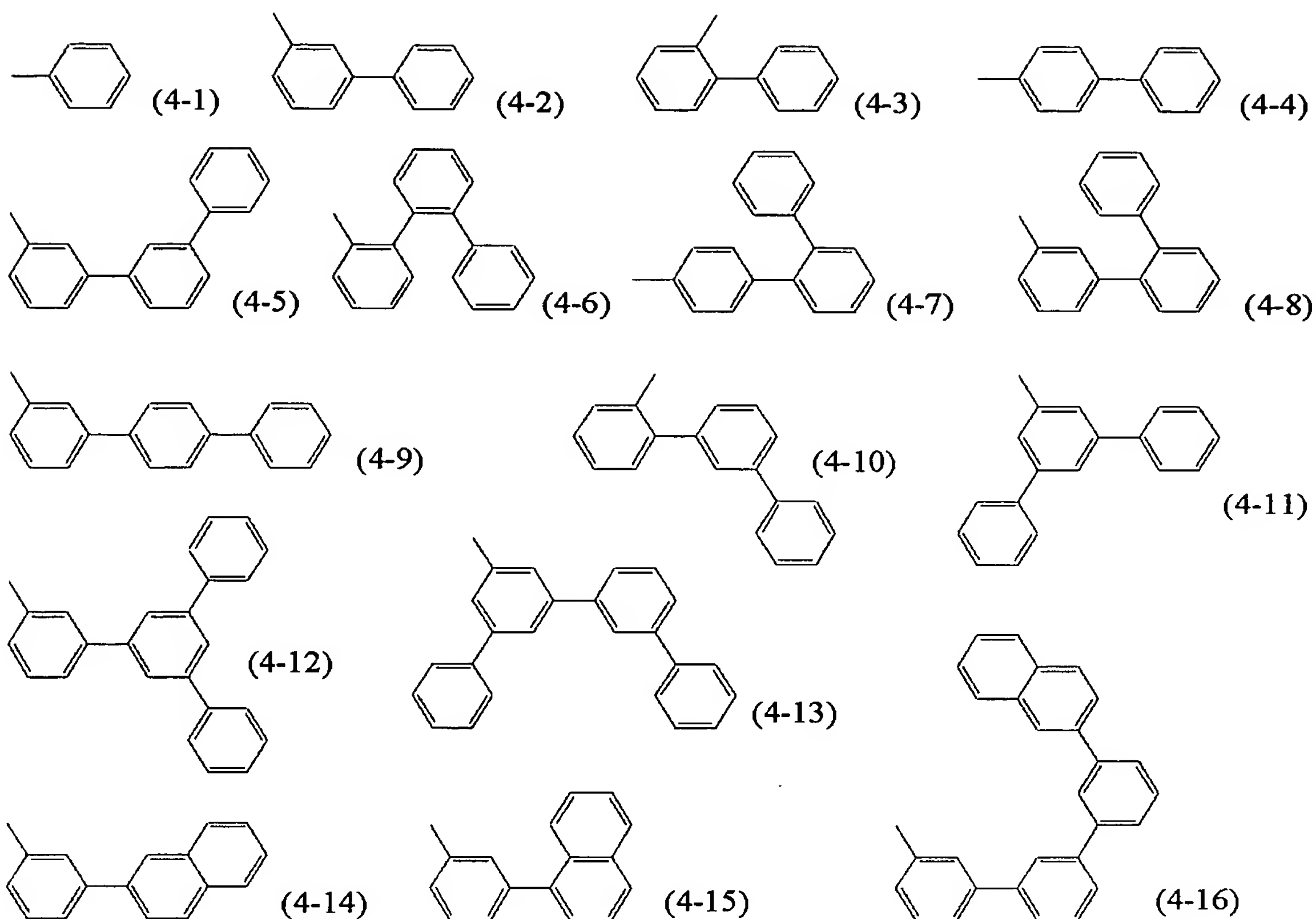
20 3. The organic electroluminescent device as described in claim 1, wherein the emission layer comprises as a host, the anthracene derivative in which R^1 to R^4 in Formula (1) are hydrogen; R^5 to R^{11} are independently hydrogen, phenyl, 1-

naphthyl, 2-naphthyl or m-terphenyl-5'-yl; X is one selected from the group of the groups represented by Formulas (2-1) to (2-15); and in Formulas (2-1) to (2-15), R^{12} is hydrogen.

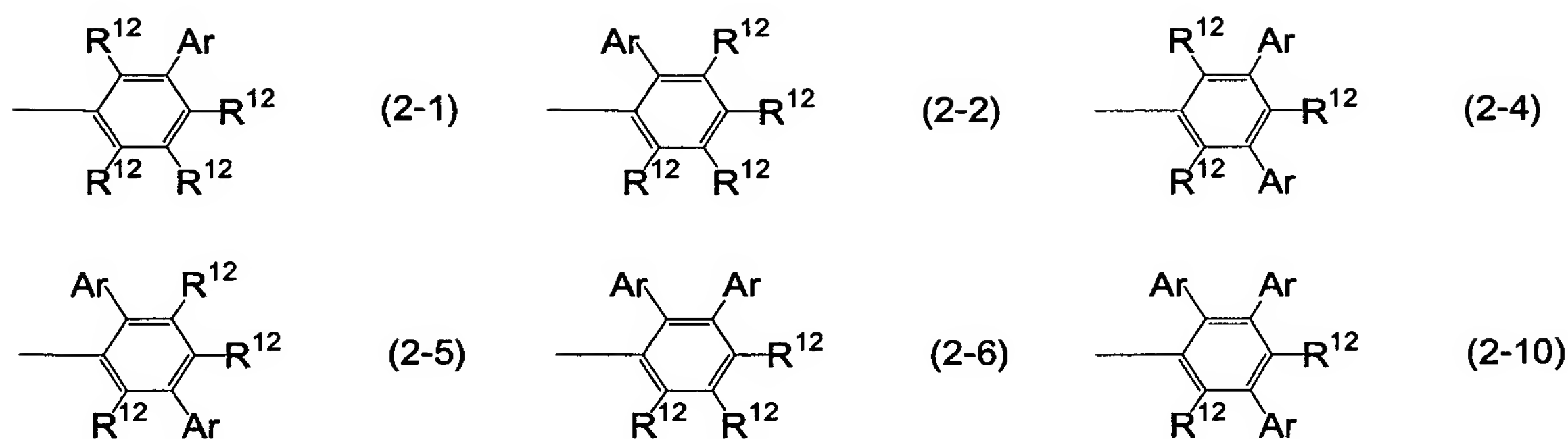
5 4. The organic electroluminescent device as described in claim 1, wherein the emission layer comprises as a host, the anthracene derivative in which R^1 to R^4 in Formula (1) are hydrogen; R^5 to R^{11} are independently hydrogen, phenyl, 1-naphthyl, 2-naphthyl or m-terphenyl-5'-yl; and X is one
10 selected from the group of the groups represented by Formulas (2-1), (2-2), (2-4) to (2-6) and (2-10) shown below:



in Formulas (2-1), (2-2), (2-4) to (2-6) and (2-10), R^{12} is
15 hydrogen; and Ar is independently one selected from the group of groups represented by Formulas (4-1) to (4-16) shown below:

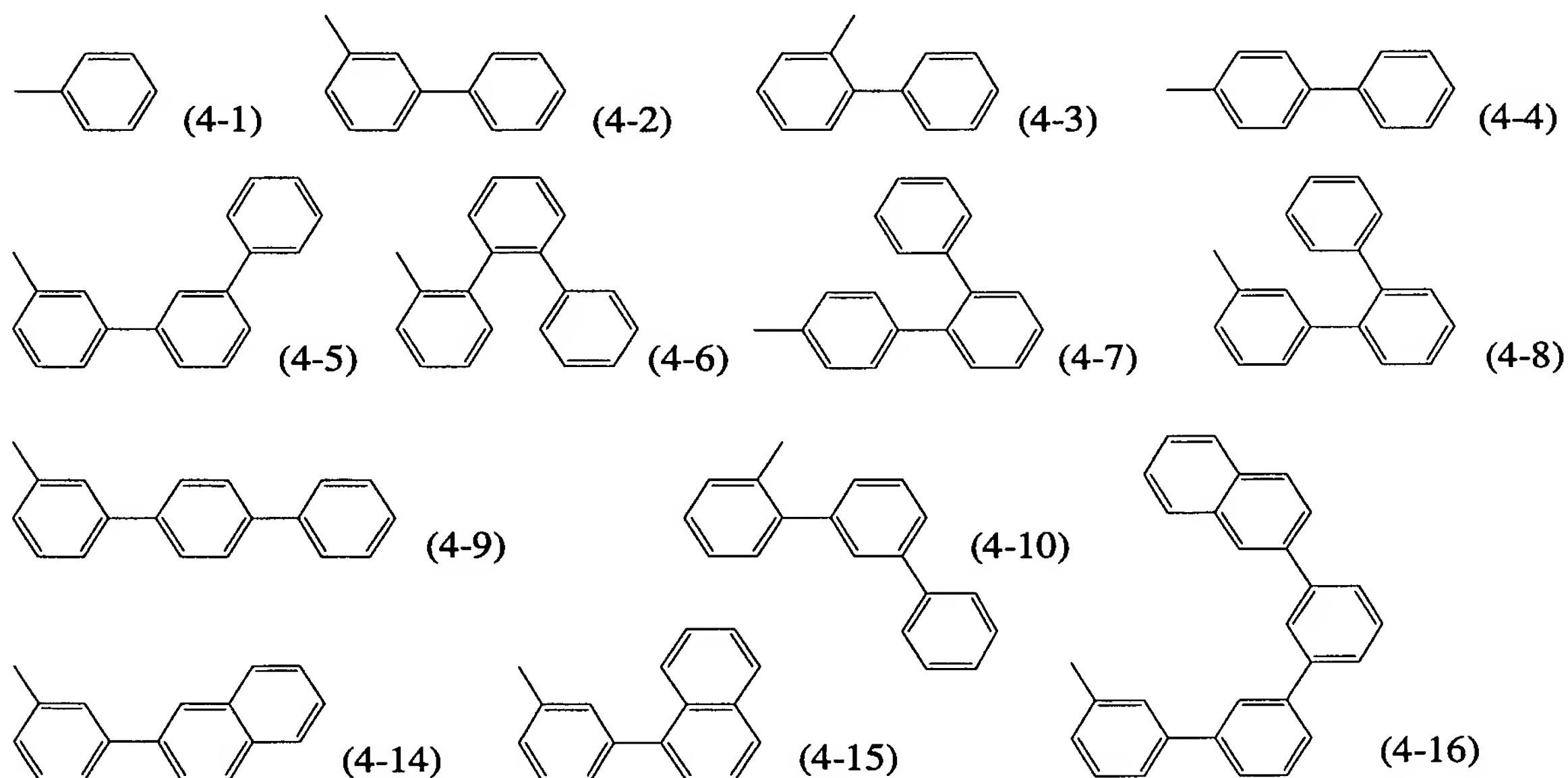


5. The organic electroluminescent device as described in claim 1, wherein the emission layer comprises as a host, the anthracene derivative in which R^1 to R^4 in Formula (1) are hydrogen; R^5 to R^{11} are independently hydrogen, phenyl, 1-naphthyl, 2-naphthyl or m-terphenyl-5'-yl; and X is one selected from the group of the groups represented by Formulas (2-1), (2-2), (2-4) to (2-6) and (2-10) shown below:



in Formulas (2-1), (2-2), (2-4) to (2-6) and (2-10), R^{12} is hydrogen; and Ar is independently one selected from the group of groups represented by Formulas (4-1) to (4-10) and (4-14) to (4-16) shown below:

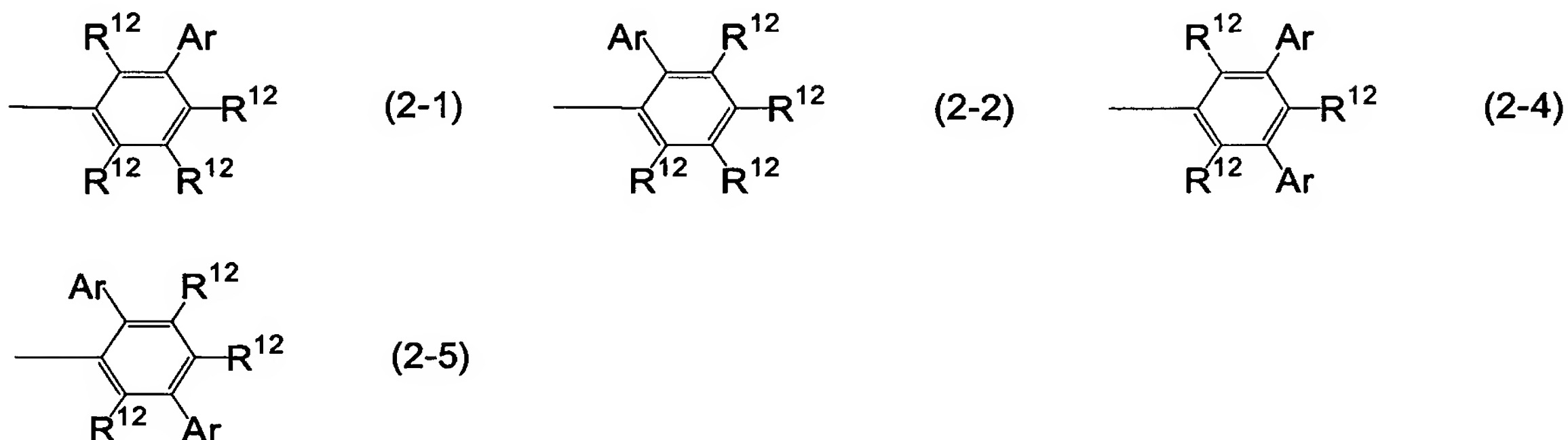
5



6. The organic electroluminescent device as described in claim 1, wherein the emission layer comprises as a host, the anthracene derivative in which R^1 to R^4 in Formula (1) are hydrogen; R^5 to R^{11} are independently hydrogen, phenyl, 1-naphthyl, 2-naphthyl or m-terphenyl-5'-yl; and X is one

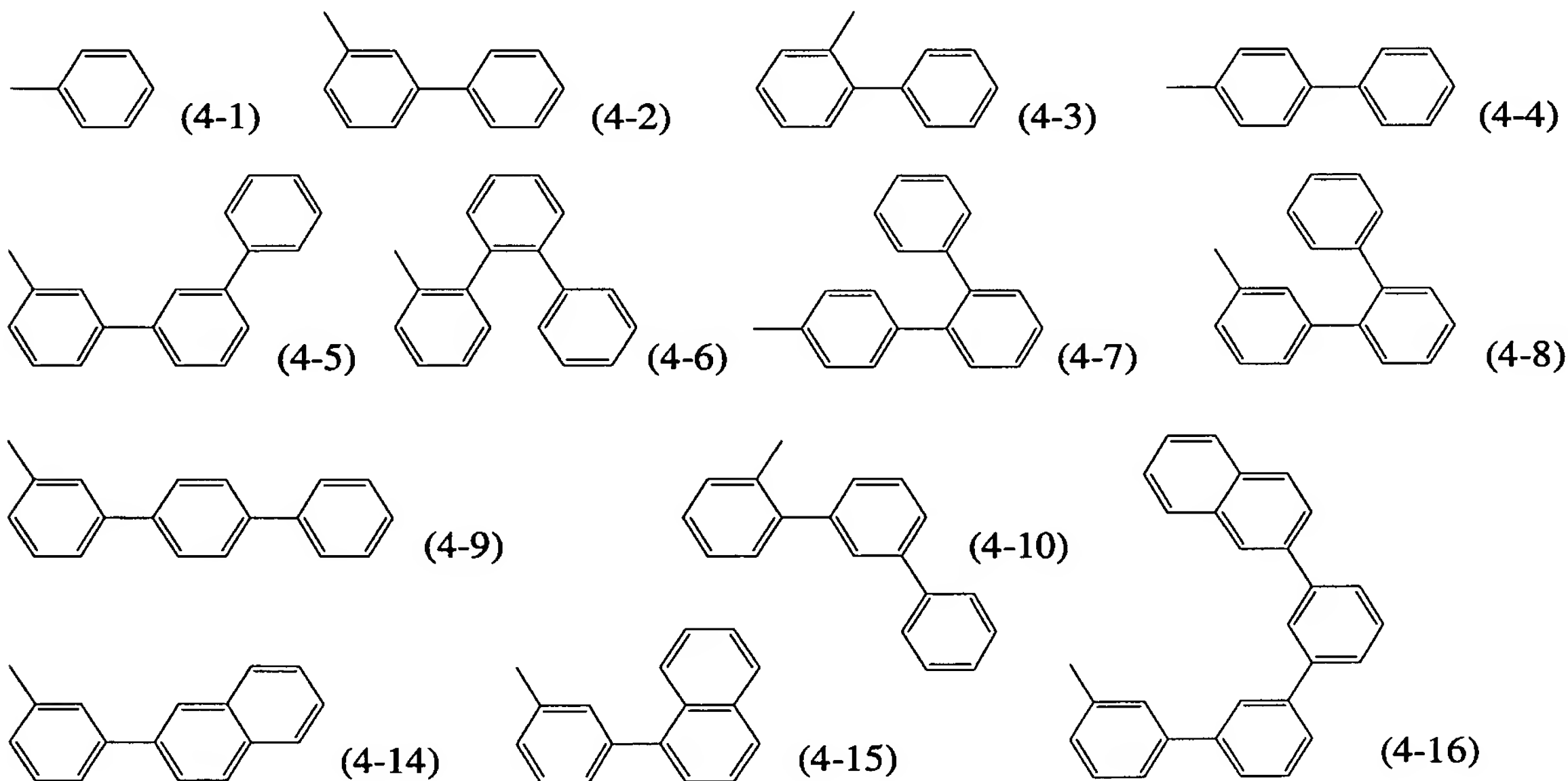
10

selected from the group of the groups represented by Formulas (2-1), (2-2), (2-4) and (2-5) shown below:



in Formulas (2-1), (2-2), (2-4) and (2-5), R^{12} is hydrogen;

5 and Ar is independently one selected from the group of groups represented by Formulas (4-1) to (4-10) and (4-14) to (4-16) shown below:



10

7. The organic electroluminescent device as described in claims 1 to 6, wherein the electron transport layer comprises a quinolyl base metal complex.

8. The organic electroluminescent device as described in claims 1 to 6, wherein the electron transport layer comprises at least one of a pyridine derivative and a phenanthroline derivative.

5

9. The organic electroluminescent device as described in claim 7, wherein the emission layer comprises the perylene derivative as a dopant.

10 10. The organic electroluminescent device as described in claim 8, wherein the emission layer comprises the perylene derivative as a dopant.

11. The organic electroluminescent device as described in
15 claim 7, wherein the emission layer comprises the borane derivative as a dopant.

12. The organic electroluminescent device as described in
claim 8, wherein the emission layer comprises the borane
20 derivative as a dopant.

13. The organic electroluminescent device as described in claim 7, wherein the emission layer comprises the coumarin derivative as a dopant.

25

14. The organic electroluminescent device as described in

claim 8, wherein the emission layer comprises the coumarin derivative as a dopant.

15. The organic electroluminescent device as described in
5 claim 7, wherein the emission layer comprises the pyran derivative as a dopant.

16. The organic electroluminescent device as described in
claim 8, wherein the emission layer comprises the pyran
10 derivative as a dopant.

17. The organic electroluminescent device as described in
claim 7, wherein the emission layer comprises the iridium
complex as a dopant.

15

18. The organic electroluminescent device as described in
claim 8, wherein the emission layer comprises the iridium
complex as a dopant.

20. 19. The organic electroluminescent device as described in
claim 7, wherein the emission layer comprises the platinum
complex as a dopant.

20. The organic electroluminescent device as described in
25 claim 8, wherein the emission layer comprises the platinum
complex as a dopant.